

Claims:

1. An enterprise code division multiplex access , CDMA, wireless communication system, comprising:

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5 a local area networks (LAN);
a plurality of scalable wireless base stations coupled to said LAN, said wireless base stations coupled to communicate with wireless devices coupled within the enterprise wireless communication system via an internet protocol;
10 a public switched data (PSDN) gateway coupled to said LAN;
a public switched telephone network (PSTN) gateway coupled to said LAN; and
a public land mobile network (PLMN) gateway coupled to
15 the LAN.

2. The system as recited in Claim 1, wherein said scalable wireless base
20 stations include stackable base modules coupled to enabling the scalability of said base station.

3. The system of claim 2, wherein said stackable wireless base modules includes a transceiver coupled to receive and transmit coded communication
25 signals to and from a remote mobile terminal coupled to said system.

4. The system of claim 2, wherein stackable base module further includes a plurality of channel elements coupled to enable said base station handle digital communication signals to and from mobile terminals remotely coupled to the base station.

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5. The system of claim 2, wherein said stackable base module further includes Ethernet interface card coupled to enable said stackable base module handle internet protocol communication signals.

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6. The system of Claim 2, wherein said scalable wireless base station is capable of having one or more of said stackable base modules.

7. The system of Claim 1, wherein said PSTN gateways includes a plurality of T1 trunks.

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8. The system of Claim 1, wherein said PSDN gateway includes a plurality of T1 trunks.

9. The system of claim1 further including a plurality of combiners coupled to interconnect said plurality of base stations to handle communication requests from remote mobile terminals to the system.

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10. The system of claim 1 further including a plurality of splitters coupled to interconnect said plurality of base stations to handle communications requests from said base stations to remote mobile terminals coupled to the system.

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11. A code division multiple access (CMDA) communication system,
comprising:

a plurality of scalable base stations;
a plurality of antenna system; and
a local access network (LAN).

12. The system of claim 11, wherein said base station comprise a plurality
of stackable base modules.

13. The system of claim 12, wherein each of said stackable base modules
includes a transceiver coupled to receive and transmit communication signals to
and from said base station to said antenna system.

14. The system of claim 12, wherein said stackable base modules further
include channels elements coupled to enable said base station handle digital
communication signal exchange between said base station and remote mobile
terminals couple to the system.

15. The system of claim 12, wherein said stackable base modules further
includes Ethernet interface card coupled to enable said base station communicate
over said LAN using an internet communication protocol (IP).

16. The system of claim 11, further including a plurality of combiners
coupled to interconnect said base station to handle forward link commnuication
requests from mobile terminals coupled to the CDMA system.

17. The system of claim 11, further including a plurality of splitters coupled to interconnect said base station to handle reverse link requests of mobile communication terminals coupled to the system..

5 18. The system of claim 11, wherein said base station is sectorized.

~~19. A scalable sectorized code division multiple access base station,~~
comprising:

10 a plurality of stackable base modules;
a plurality of combiners; and
a plurality of splitters.

20. The base station of claim 19, wherein said stackable base module includes transceivers coupled to handle analog communication signals to and
15 from mobile terminals coupled to said base station.

21. The base station of claim 20, wherein said stackable base module further includes channel elements coupled to handle digital communication signals to and from mobile terminals coupled to the base station.

20 22. The base station of claim 21, wherein said base station further includes Ethernet interface cards coupled to said channel elements and said transceiver to enable said base station communicate over an Ethernet backhaul with said mobile terminals.

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